



SEQUENCE LISTING

<110> Li, Zhong  
Falco, S. Carl

<120> S-ADENOSYL-L-METHIONINE SYNTHETASE PROMOTER AND  
ITS USE IN EXPRESSION OF TRANSGENIC GENES IN PLANTS

<130> BB1205 US NA

<140>

<141>

<160> 20

<170> Microsoft Office 97

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<211> 1518

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<213> Glycine max

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<211> 2336

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<213> Glycine max

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atttaaatta gaatttttt tatcaataaa tattaattt ttagtttat tagaaatatt 180

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| accaaacc   | aa         | tcttatatgt | tcttcaaatt  | agaacttggaa | attattaatt | ataattaaac | 300        |
| tgaaaaca   | at         | ttgttatcaa | ttcatataca  | tgcttagtaa  | taaaatgcga | taattaattg | 360        |
| ataaatctg  | c          | aaaagat    | ttt         | acaaatatct  | ttcagaaaaa | attaataaca | 420        |
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| ttgacttca  | act        | aaaacgat   | ggtcagaatt  | ggtggggatt  | ttatattcaa | gcatatccct | 540        |
| ttcaaaqctt | cctacttact | tcgtcggttc | gtaatcggt   | aacatttagac | tttcaaaatc | 600        |            |
| attttaacc  | cctaaacagt | aaatttgaag | gacaaaaata  | atattttca   | aatttgatag | 660        |            |
| actattttt  | ttt        | gttgaatt   | tgacgaacca  | aaaccagatt  | tatcctgaat | tttaggaacc | 720        |
| acagatgt   | aa         | ctaaaccaat | atttatttat  | tttctaaaac  | aaaatttcat | ggcagcatgc | 780        |
| ctcagccat  | gaaaaaaacc | ttataaaaat | atctacacat  | tgaccattga  | aaagttcg   | 840        |            |
| ctcccattgg | taaccagatc | aaactcacat | ccaaacataa  | catggatatc  | tccttaccaa | 900        |            |
| tcatacta   | at         | ttttgggt   | taaatattaa  | tcattattt   | taagatatta | attaagaaat | 960        |
| taaaagattt | ttt        | aaaaaaa    | tgtataaaat  | tatattttc   | atgattttc  | atacattga  | 1020       |
| tttgataat  | aaatatattt | ttttaattt  | cttaaaaaat  | gttgcaagac  | acttattaga | 1080       |            |
| catagtctt  | g          | ttctgtttac | aaaagcattc  | atcatat     | acataaaaa  | atatttaata | 1140       |
| ctaacagtag | aat        | tttcttctt  | tgagttgt    | gggagtaggc  | aacctggcat | tgaaacgaga | 1200       |
| gaaagagagt | cagaaccaga | agacaaataa | aaagatgc    | acaacaaat   | caaaatcaaa | 1260       |            |
| ggcggcggc  | tggggtggc  | tcaattgg   | gtacattca   | atttcaact   | cagtcaacgg | 1320       |            |
| ttgagattc  | ctctgactt  | cccaatctaa | gccgcggatg  | caaacgggt   | aatctaacc  | 1380       |            |
| acaatcca   | at         | ctcggtactt | agggcttt    | ccgtcattaa  | ctcacccctg | ccacccgg   | 1440       |
| tccctata   | aa         | tttgaactca | atgccccct   | ctaaactcg   | atcggttc   | agttgagacc | 1500       |
| aagacacact | cgttcatata | tctctctgt  | cttctctt    | cttctac     | tcaaggact  | 1560       |            |
| tttcttct   | cc         | tcttacaaa  | tccttagattc | cgtaggttca  | tttccgatct | tgcacttct  | 1620       |
| gtttgctt   | g          | cttgc      | ttt         | tcctcaactg  | gttccatcta | ggatccatgt | 1680       |
| tctttctt   | at         | atctgcgg   | aatacgcgtt  | ggacttt     | atctagtc   | aatcattca  | 1740       |
| taattgc    | c          | tttctttt   | agcttatgag  | aaataaaaatc | atttttttt  | atttcaaaat | 1800       |
| aaaccttgg  | c          | tttgcgt    | actgagatgg  | gtttgggtga  | ttacagaatt | ttagcgaatt | 1860       |
| ttgttattgt | act        | tttgcgtt   | ctgtat      | ttttgtttt   | tttgc      | atacattc   | 1920       |
| taggctt    | caa        | tttattcga  | gtataagg    | caataggaa   | tcaactt    | agcaggggaa | 1980       |
| ttaatcc    | tt         | ccttcaa    | atc         | cagttgtt    | gtatata    | aaacttt    | 2040       |
| tttaaattct | at         | tat        | tttgc       | aaaaatttt   | gcatgtgt   | ttgctct    | 2100       |
| gttgtaaatt | tac        | tgc        | tttgc       | tttgc       | gtcagttt   | tgaagtataa | 2160       |
| agatggcaga | gacattc    | tgc        | ttcac       | ttcgg       | agtca      | cctgataa   | 2220       |
| tctgcgacca | aat        | tcc        | gtc         | gtc         | ttgc       | acgcttgc   | 2280       |
| aggttgc    | c          | gtc        | gtc         | gtc         | gtc        | cga        | ccagacagca |
| gaaacatgc  | cca        | gtc        | gtc         | gtc         | gtc        | gagatc     | 2336       |

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<220>  
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caccctgata agctctgcga ccaaatttcc gatgctgtcc tcgacgcctt cctcgaaacag 180  
gaccaggaca gcaagggtgc ctgcgaaaca tgcaccaaga ccaacttggt catggcttc 240  
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TECH CENTER 1600/2900

agcatcggt tcatctcaaa cgatgtggga cttgatgctg acaactgcaa ggtccttgta 360  
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<210> 4  
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<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: PCR Primer

<400> 4  
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<210> 5  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: PCR Primer

<400> 5  
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<210> 6  
<211> 1314  
<212> DNA  
<213> Glycine max

<400> 6  
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taaaaaaatg tataaaatta tattattcat gattttcat acatttgatt ttgataataa 180  
atataattttt tttaatttct taaaaaatgt tgcaagacac ttatttagaca tagtcttgtt 240  
ctgtttacaa aagcattcat catttaatac attaaaaaat atttaatact aacagttagaa 300  
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<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: PCR Primer  
  
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<210> 8  
<211> 19  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: PCR Primer  
  
<400> 8  
cttcgctgag gacatggac 19  
  
<210> 9  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence: PCR Primer  
  
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<210> 10  
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<220>  
<223> Description of Artificial Sequence: PCR Primer  
  
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<212> DNA  
<213> Artificial Sequence  
  
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<223> Description of Artificial Sequence: PCR Primer  
  
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<210> 12  
<211> 20  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence: PCR Primer

<400> 12  
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<210> 13  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: PCR Primer

<400> 13  
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23

<210> 14  
<211> 2165  
<212> DNA  
<213> Glycine max

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attnaaatataa gaatttttt tatcaataaa tattaattta ttatgtttat tagaaatatt 180  
aatttagaaaaa tttgaatcc ccgatttctc ctccctttct tcgctattca tcattttcta 240  
accaaaccaa tcttatatgt tcttcaaatt agaacttgaa attattaatt ataattaaac 300  
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<210> 15  
<211> 1574

<212> DNA

<213> Glycine max

<400> 15

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| acgatatctg ttatattatga   | tttcaggcg   | caaaaatgcg | agtacttaat | aaaattttac | 120        |     |
| attnaaatta gaatttttt     | tatcaataaa  | tattaattta | ttagtttat  | tagaaatatt | 180        |     |
| aatttagaaaa ttgtaatcc    | ccgatttctc  | ctcctttct  | tcgctattca | tcattttcta | 240        |     |
| accaaaccaa tcttatatgt    | tcttcaaatt  | agaacttgaa | attattaatt | ataattaaac | 300        |     |
| tgaaaacaat ttgttatcaa    | ttcatataca  | tgcttagtaa | taaaatgcga | taattaattg | 360        |     |
| ataaaatctgc aaaagattt    | acaaatatct  | ttcagaaaaa | attaataaca | aattttgtcg | 420        |     |
| ttttcatggt gtggctcg      | ggaggatttgc | caactataga | acttcctac  | ggaccattct | 480        |     |
| ttgcacttca actaaacgt     | ggtcagaatt  | ggtggggatt | ttatattcaa | gcataccct  | 540        |     |
| ttcaaaactt cctacttact    | tcgtcggttc  | gtaatcggt  | aacattagac | ttcaaaatc  | 600        |     |
| attnnaacc cctaaacagt     | aaatttgaag  | gacaaaaata | atattttca  | aatttgatag | 660        |     |
| actattttt ttgttaatt      | tgacgaacca  | aaaccagatt | tatcctgaat | tttaggaacc | 720        |     |
| acagatgtaa cttaaaccaat   | atttatttat  | tttctaaaac | aaaatttcat | ggcagcatgc | 780        |     |
| ctcagccccat gaaaaaaaaacc | ttataaaaat  | atctacacat | tgaccattga | aaagttcggt | 840        |     |
| ctcccattggg taaccagatc   | aaactcacat  | ccaaacataa | catggatatc | tccttaccaa | 900        |     |
| tcatactaattat            | tatTTGGGT   | taaatattaa | tcattatttt | taagatatta | attaagaaat | 960 |
| taaaagattt tttaaaaaaa    | tgtataaaaat | tatatttttc | atgatTTTC  | atacatttga | 1020       |     |
| ttttgataat aaatatattt    | tttttaattt  | cttaaaaaat | gttgcaagac | acttatttga | 1080       |     |
| catagtcttgc ttctgtttac   | aaaagatttc  | atcatatata | acataaaaaa | atatttaata | 1140       |     |
| ctaacagtag aatcttcttg    | tgagtgggt   | gggagtaggc | aacctggcat | tgaaacgaga | 1200       |     |
| gaaagagagt cagaaccaga    | agacaaataa  | aaagtatgca | acaaacaaat | caaaatcaaa | 1260       |     |
| ggcggcaaaaggc tggtgttggc | tcaatgggt   | gctacattca | atttcaact  | cagtcaacgg | 1320       |     |
| ttgagattca ctctgacttc    | cccaatctaa  | gccgcggatg | caaacgggt  | aatctaacc  | 1380       |     |
| acaatccaaat ctcgttactt   | agggctttt   | ccgtcattaa | ctcaccctgt | ccaccccggt | 1440       |     |
| tccctataaaa ttggaactca   | atgccccct   | ctaaactcg  | atcgcttcag | agttgagacc | 1500       |     |
| aagacacact cggtcatata    | tctctctgt   | tttctttct  | tttctacctc | tcaagtttt  | 1560       |     |
| gaagtataaa gatg          |             |            |            |            | 1574       |     |

<210> 16

<211> 719

<212> DNA

<213> Glycine max

<400> 16

|                        |            |             |            |             |     |
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| tgggttaat attaattcatt  | atTTTAAAGA | tattaattaa  | gaaattaaaa | gattttttaa  | 120 |
| aaaaatgtat aaaattatat  | tattcatgat | tttcataca   | tttgattttg | ataataaata  | 180 |
| tatTTTTTTT aatttcttaa  | aaaatgtgc  | aagacactta  | ttagacatag | tcttgttctg  | 240 |
| tttacaaaag cattcatcat  | ttaatacatt | aaaaatatt   | taatactaac | agtagaatct  | 300 |
| tcttgtagt ggtgtggag    | taggcaacct | gycattgaaa  | cgagagaaag | agagtcagaa  | 360 |
| ccagaagaca aataaaaaagt | atgcaacaaa | caaataaaaa  | tcaaaaggca | aaggctgggg  | 420 |
| ttggctcaat ttgtgtctac  | attcaatttt | caactcagtc  | aacggtttag | attcactctg  | 480 |
| acttccccaa tctaagccgc  | ggatcaaac  | ggttgaatct  | aaccacaaat | ccaatctcgt  | 540 |
| tacttagggg ctttccgtc   | attaactcac | ccctgcccacc | cggtttccct | ataaaatttgg | 600 |
| actcaatgct cccctctaaa  | ctcgatcgc  | ttcagagttg  | agaccaagac | acactcggtc  | 660 |
| atataatctct            | ctgctttct  | acctctcaag  | tttttgaagt | ataaaagatg  | 719 |

<210> 17

<211> 6975

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:plasmid

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|          | ttgctttgcc  | ttgctttttc  | ctcaactggg  | tccatctagg  | atccatgtga  | aactctactc  | 840  |
|          | tttctttat   | atctgcggaa  | tacgcgttgg  | actttcagat  | ctagtcgaaa  | tcatttcata  | 900  |
|          | attgccttcc  | tttcttttag  | cttagagaa   | ataaaatcac  | tttttttta   | tttcaaaata  | 960  |
|          | aaccttggc   | cttgtgtga   | ctgagatggg  | gtttggtgat  | tacagaattt  | tagcgaattt  | 1020 |
|          | tgttaattgt  | cttgtttgtc  | tgttagtttg  | ttttgttttc  | ttgtttctca  | tacattcctt  | 1080 |
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